

3648

G-000-1005.49

OVERHEAD SCREENS FROM COMMUNITY MEETING OF 07/21/92

07/21/1992

**45
OVERHEADS**

U.S. 1
FERNALD ENVIRONMENTAL MANAGEMENT PROJECT

3648

July 21, 1992

COMMUNITY MEETING

6:00 - 7:00 p.m.

EXHIBITS

7:00 - 9:30 p.m.

GROUP MEETING

Opening Remarks

Robert Tiller

DOE Field Office Overview

Gerald Westerbeck

Waste Shipment and Safe Shutdown

Ray Hansen

Status of Cleanup

Jack Craig

PUBLIC FORUM:

Robert Tiller

U.S. EPA Comments

Ohio EPA Comments

FRESH Comments

GROUP QUESTIONS AND ANSWERS

After Meeting -- Exhibit Reopens

3048 3049

AGENDA

7:00-9:30 P.M.

- **GROUP MEETING**

Opening Remarks
DOE Field Office Overview
Waste Shipment and Safe Shutdown
Status of Cleanup

Robert Tiller
Gerald Westerbeck
Ray Hansen
Jack Craig

- **BREAK**

- **PUBLIC FORUM:**

Robert Tiller

U.S. EPA Comments
Ohio EPA Comments
FRESH Comments

- **GROUP QUESTIONS and ANSWERS**

FERNALD ENVIRONMENTAL MANAGEMENT PROJECT

- **ERMC**
- **Boiler Fire Initiatives**
- **EMAC**
- **DOE Staffing Update**

BOILER FIRE UPDATE

Key Initiatives Following Investigation:

- **Monitoring System**
- **Water Supply Repair/Fire Protection System**
- **Training Initiatives**

FERNALD ENVIRONMENTAL MANAGEMENT PROJECT

- **Public Water**
- **Environmental Course**
- **Public Participation Plan**
- **PEIS**

SAFE SHUTDOWN

- **DP/EM Transition - October 1990**
- **1435 MTU shipped off-site since the transfer**
 - **547 MTU Army product to the customer**
 - **602 MTU Recyclable metal to Y-12**
 - **8 MTU of derbies to Lawrence Livermore**
 - **272 MTU of UF₄ to the Army**
 - **6 MTU of other recyclable metal**

SAFE SHUTDOWN (Cont.)

● Immediate Plans:

- Complete transfer of 340 MTU of UF₄ to the Army**
- Complete transfer of 2838 MTU of Army metal**
- Pursue RFP completions and follow-up**

THORIUM

- **Characterization, Stabilization, Overpacking and Shipments**
- **Three Categories**
 - Pending sale
 - Materials declared waste (Other than T-2 tank)
 - T-2 thorium nitrate tank

THORIUM (Cont.)

- **Characterization**

- Out of ~15,000 drums, 39 are RCRA, 2 remain to be evaluated

- **Stabilization**

- Initiate Removal Action - 10/01/92
- Complete Stabilization of Thorium Nitrate - 11/30/93

- **Overpacking**

- FY '92 Goal - complete in buildings 64, 67 and 68
- Actual - bulidings 64 and 68 are complete

THORIUM (Cont.)

- **Shipments**

- **Off-site shipments**

- Pending sale - 9/30/93**

- Waste - end of FY '94**

- T-2 Tank - 12/30/93**

- **Shipments to Nevada Test Site**

OTHER WASTE SHIPMENTS

Goal through June 1992

● **75,602 DEs**

Actual through June 1992

● **74,704 DEs**

OTHER WASTE SHIPMENTS (Cont.)

Contracts to Ship Residues and Metal

- **Scrap Metal**
 - **June 19, 1992 contract award date**
- **Drummed Residues**
 - **Contract pending approval**

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EXPLODING DRUM CRITIQUE ON ARMY MATERIAL

- **Drum incident - June 17, 1992**
- **Corrective Actions**
- **Status**

STATUS OF ENRICHED AND NORMAL MATERIAL

- **General information meeting on May 25, 1992**
- **Eight expressions of interest**
- **Request for Proposal**
 - **Issued June 29, first draft review**
 - **Projected final RFP, Fall '92**

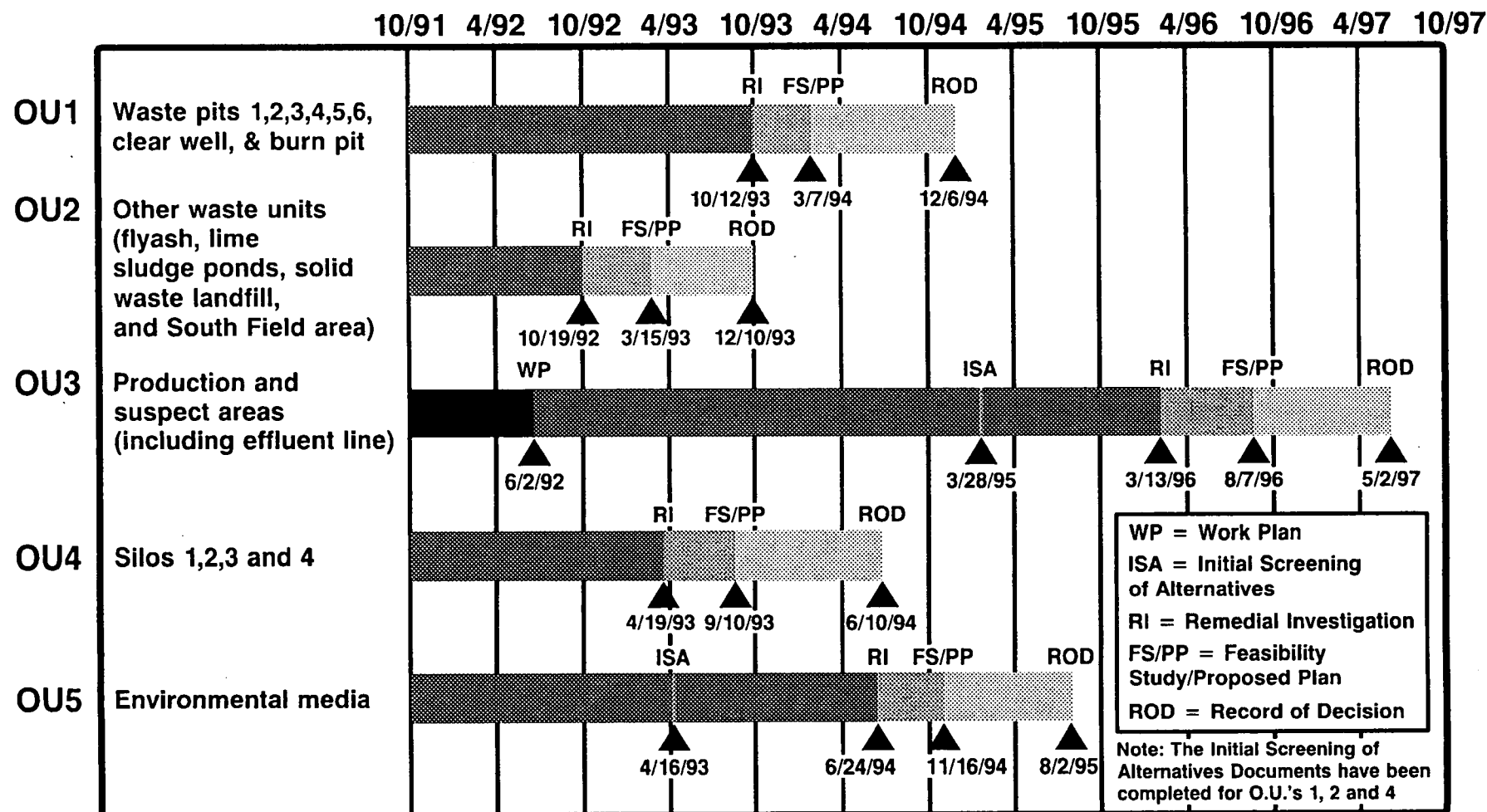
STATUS OF DEPLETED MATERIAL

- **Five expressions of interest**
- **Request for Proposal**
 - **Issued June 29, first draft review**
 - **Projected final RFP, Fall '92**

RI/FS COMMUNITY MEETING

- **RI/FS Activity Update**
- **Removal Action Update**

FERNALD ENVIRONMENTAL MANAGEMENT PROJECT SCHEDULE OF RI/FS ACTIVITIES



OPERABLE UNIT 1

- Waste Pits 1-6, clearwell, burn pit, berms, liners, and soil within the OU boundary as approved in the RI/FS Work Plan Addendum
- Treatability Studies

OPERABLE UNIT 2

- Flyash piles, other South Field disposal areas, lime sludge ponds, solid waste landfill, berms, liners, and soil within the OU boundary as approved in the RI/FS Work Plan Addendum
- Treatability Studies

OPERABLE UNIT 3

- Production Area and production-associated facilities and equipment (includes all above and below grade improvements), including, but not limited to, all structures, equipment, utilities, drums, tanks, solid waste, waste product, thorium, effluent lines, K-65 transfer line, wastewater treatment facilities, fire training facilities, scrap metal piles, feedstocks, and coal pile
- Documents

OPERABLE UNIT 4

- Silos 1, 2, 3, and 4, berms, decant tank system, and soil within the OU boundary as approved in the RI/FS Work Plan Addendum
- Treatability Studies

OPERABLE UNIT 5

- Groundwater (including site-wide perched groundwater), surface water, soil not included in the definitions of Operable Units 1-4, sediments, flora, and fauna
- Treatability Studies

SITE-WIDE CHARACTERIZATION REPORT (SWCR)

- **Summary of Site-wide Data**
- **Baseline Risk Assessment**
- **Summary of Leading Remedial Alternatives for Each Operable Unit**
- **Due to U.S. EPA and Ohio EPA on August 5, 1992**

REMOVAL ACTIONS

Identified under the terms of the 1991 Amended Consent Agreement:

- 1) Contaminated Water Beneath FEMP Buildings __ Ongoing
- 2) Waste Pit Area Runoff Control _____ C
- 3) South Groundwater Contamination Plume _____ UC
- 4) Silos 1 and 2 _____ C
- 5) K-65 Decant Sump Tank _____ C
- 6) Waste Pit 6 Residues _____ C
- 7) Plant 1 Pad Continuing Release _____ UC
- 8) Inactive Flyash Pile Control _____ C
- 9) Removal of Waste Inventories _____ Ongoing

UD = Under Design

UC = Under Construction

C = Completed

REMOVAL ACTIONS (Cont'd)

Identified under the terms of the 1991 Amended Consent Agreement:

- 10) Active Flyash Pile Controls _____ C
- 11) Pit 5 Experimental Treatment Facility _____ C
- 12) Safe Shutdown _____ Ongoing
- 13) Plant 1 Ore Silos _____ UD
- 14) Contaminated Soils Adjacent to Sewage
Treatment Plant Incinerator _____ UC
- 15) Scrap Metal Piles _____ UC
- 16) Collect Uncontrolled Production Area
Runoff (Northeast) _____ Workplan under review by EPA
- 17) Improved Storage of Soil and Debris _____ Workplan under review by EPA
- 18) Control Exposed Material in Pit 5 _____ Workplan under review by EPA

UD = Under Design UC = Under Construction C = Completed

REMOVAL ACTIONS (Cont'd)

Identified under the terms of the 1991 Amended Consent Agreement:

- 19) Plant 7 Dismantling _____ Workplan under development by DOE
- 20) Stabilization of Uranyl Nitrate Inventories _____ Ongoing
- 21) Expedited Silo 3 Dust Collector _____ C
- 22) Waste Pit Area Containment
Improvement _____ Workplan under development by DOE
- 23) Inactive Flyash Pile _____ C
- 24) Pilot Plant Sump _____ Workplan under development by DOE
- 25) Nitric Acid Tank Car and Area _____ Workplan under development by DOE
- 26) Asbestos Removals (Asbestos
Program) _____ Ongoing
- 27) Management of Contaminated
Structures at the FEMP _____ EE/CA under development by DOE

UD = Under Design UC = Under Construction C = Completed
EE/CA = Engineering Evaluation/Cost Analysis

REMOVAL ACTION # 2

Waste Pit Area Stormwater Runoff Control

- **Construction Completed 6/30/92**

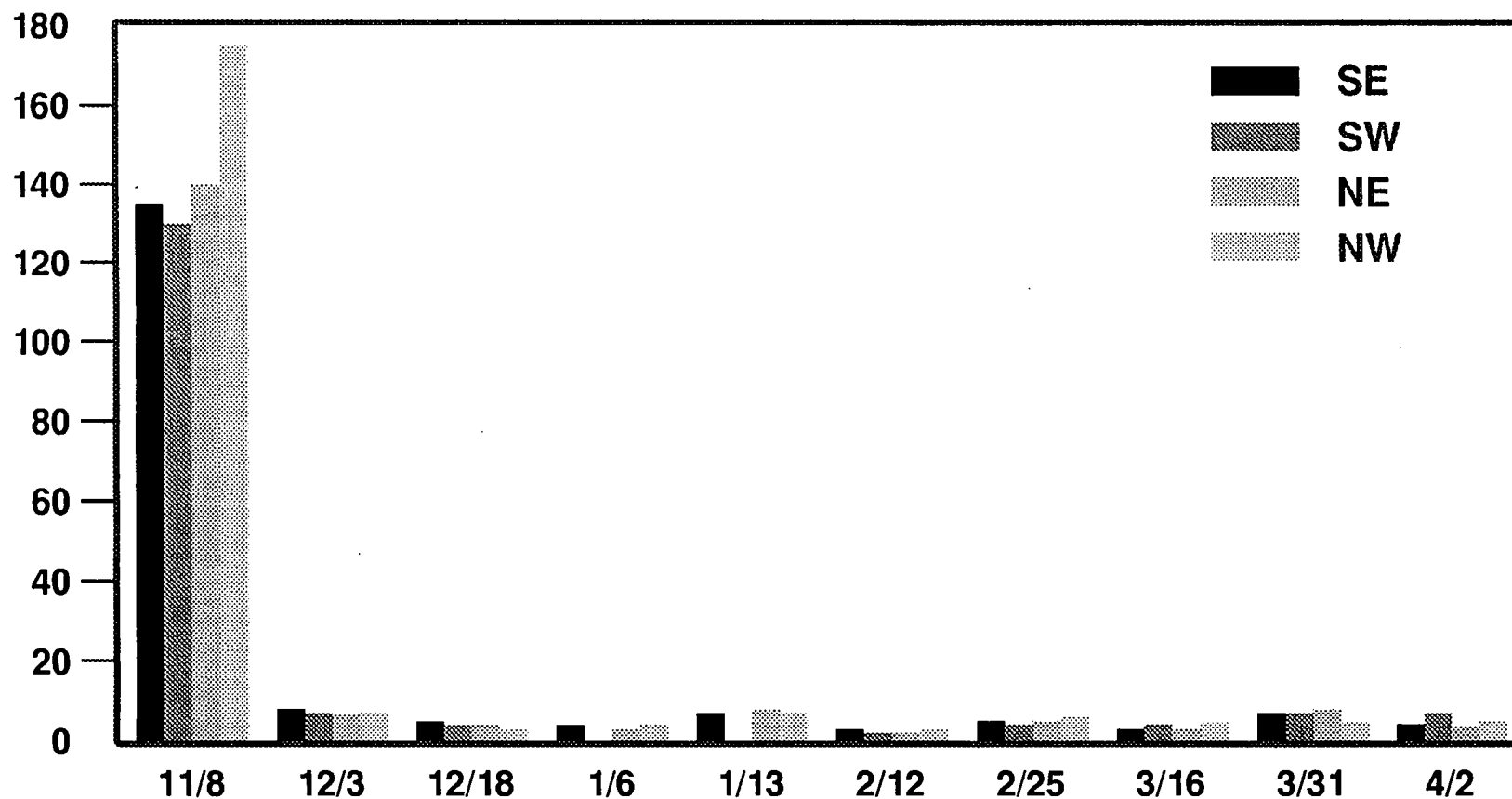
REMOVAL ACTION # 4

K-65 Silos

- **Bentonite Placement Completed on November 28, 1991**
- **Reduction in Radon Concentrations in Silo Headspace by 95%**
- **Reduction in Direct Radiation on Silo Dome by 90%**
- **Constant Radon and Radiation Reduction for Last 8 Months**

OPERABLE UNIT 4

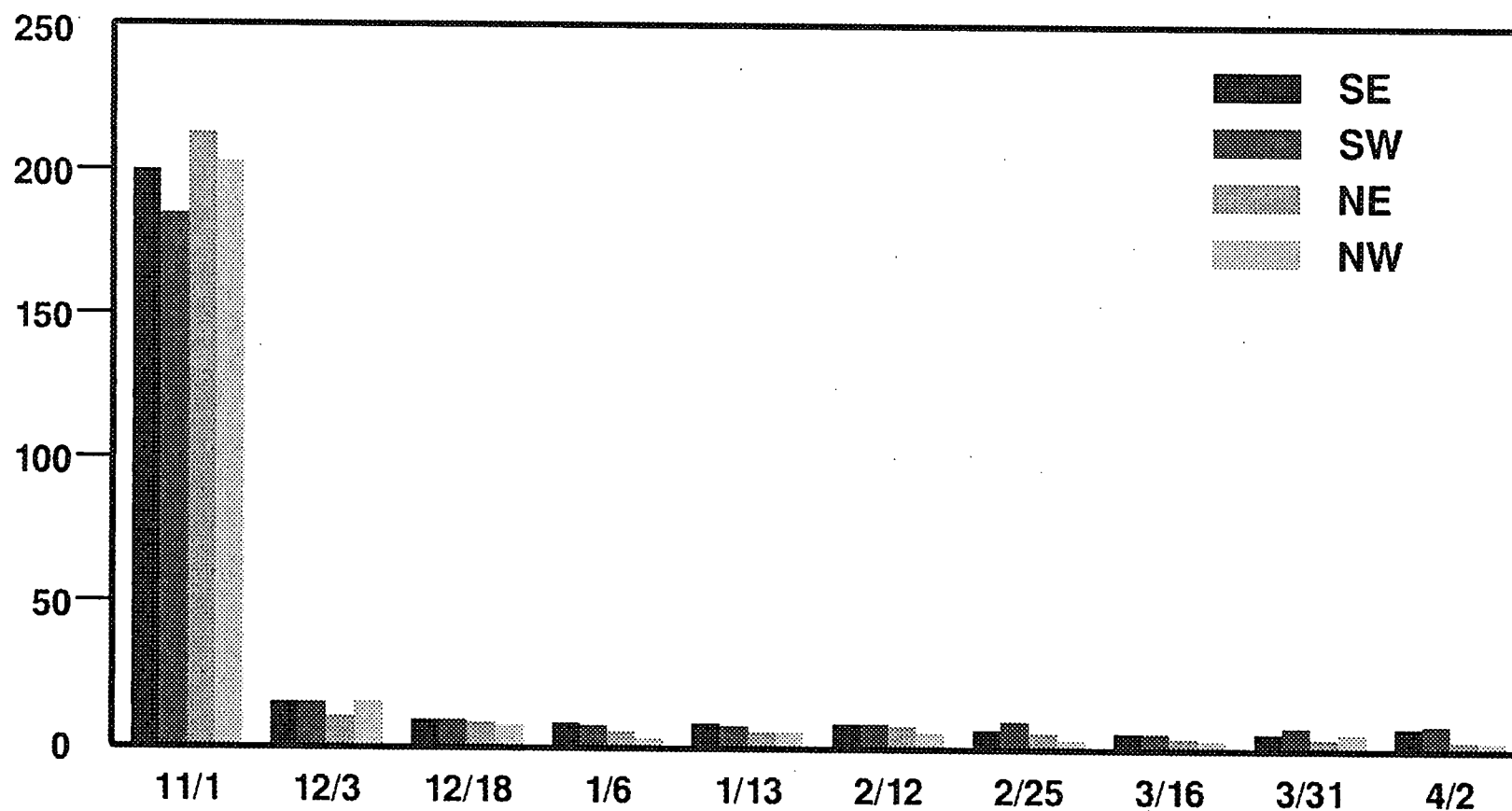
Silo 1 - Dome Surface Radiation (mR/Hr.)



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OPERABLE UNIT 4

Silo 2 - Dome Surface Radiation (mR/Hr.)



REMOVAL ACTION # 3

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South Groundwater Contamination Plume

- **Part 1 - Construction Initiated
Scheduled for Completion 12/7/92**
- **Part 2 - Construction Initiated
Treatment Systems Operating 7/30/92**
- **Part 3 - Construction Initiated
Scheduled for Completion 1/29/93**
- **Part 4 - Institutional Controls Ongoing**
- **Part 5 - Sampling of Area South of Part 2
Extraction Wells Initiated 6/26/92**

REMOVAL ACTION # 7

Plant 1 Pad Renovation

- **Phase 1 Completed 1/17/92**
- **Phase 2 Construction Initiated
 Scheduled for Completion 12/92**
- **Phase 3 Construction Initiated
 Scheduled for Completion 2/95**

REMOVAL ACTION # 10

Active Flyash Pile Emissions Controls

- **Construction Completed 6/29/92**

REMOVAL ACTION # 13

Plant 1 Ore Silos

- **Construction Scheduled to Start 8/15/92**
- **Scheduled for Completion 12/18/94**

SUPPLEMENTAL ENVIRONMENTAL PROJECT

- **\$150,000 to provide for**
 - **Cleanup of Great Miami River**
 - **Wellhead Protection Program**
- **Schedule**